

Applicant: Geoffrey S. Martin et al.

Att'y Docket No. 2409.3273.3US

Continuation Application of:

Group: 3262

Serial No.: 139,705

For: MULTIPLE LUMEN CATHETER

Filing Date: August 25, 1998

Prior Examiner: Ronald K. Stright, Jr.

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09/09458  
03/27/01

INFORMATION DISCLOSURE CITATIONS MADE BY APPLICANT

U.S. Patent Documents

Examiner <u>Initial*</u>	Patent <u>Number</u>	Issue <u>Date</u>	Name	<u>Class</u>	<u>Sub Class</u>	<u>Filing Date</u>
<u>LCS</u> A1	Re.31,873	04/30/85	Howes	128	674	01/19/83
	A2	Des.272,651	02/14/84	Mahurkar	D24	54
	A3	0,550,238	11/26/1895	Allen, Jr.	---	---
	A4	1,696,018	12/18/28	Schellberg	---	07/10/26
	A5	1,922,084	04/24/31	Gerow	128	349
	A6	2,173,527	09/19/39	Agayoff	128	349
	A7	2,175,726	10/10/39	Gebauer	128	349
	A8	2,230,218	06/02/38	Asche	128	276
	A9	2,409,343	04/05/43	Curtis	128	214
	A10	2,473,742	06/21/49	Auzin	128	349
	A11	2,561,569	07/24/51	Flynn	18	13
	A12	2,564,977	08/21/51	Quang Hsi Hu	128	218
	A13	2,590,895	04/01/52	Scarpellino	128	221
	A14	2,819,718	07/16/53	Goldman	128	350
	A15	2,936,761	05/17/60	Snyder	128	349
	A16	3,042,045	07/03/62	Sheridan	128	349
	A17	3,055,361	09/25/62	Ballard	128	214
	A18	3,064,653	11/20/62	Coanda	128	348
	A19	3,174,890	03/23/65	Goyke	156	272
	A20	3,322,590	05/30/67	Clark	156	273

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U.S. Patent Documents (continued)

Examiner Initial*	Patent Number	Issue Date	Name	Class	Sub Class	Filing Date
KCS	A21 3,324,854	06/18/67	Weese	128	215	04/23/64
	A22 3,331,371	07/18/67	Rochi	128	349	03/09/65
	A23 3,359,974	12/26/67	Khalil	128	2.05	10/07/63
	A24 3,370,587	02/27/68	Vizcarra	128	214.4	07/17/62
	A25 3,394,705	07/30/68	Abramson	128	349	10/22/65
	A26 3,411,506	11/19/68	Velasco	128	325	04/11/66
	A27 3,437,088	04/08/69	Bielinski	128	2	12/01/66
	A28 3,448,739	06/10/69	Stark et al.	128	2.05	08/22/66
	A29 3,452,756	07/01/69	Harautuneian	128	349	10/10/66
	A30 3,467,180	09/16/69	Pensotti	165	180	03/30/66
	A31 3,469,579	09/30/69	Hubert	128	214.4	05/05/67
	A32 3,528,869	09/15/70	Dereniuk	156	294	02/28/68
	A33 3,593,713	07/20/71	Bogoff	128	246	07/12/68
	A34 3,625,793	12/07/71	Sheridan	156	229	09/23/69
	A35 3,634,924	01/18/72	Blake et al.	29	447	04/20/70
	A36 3,720,210	03/13/73	Dietrich	128	214.4	03/03/71
	A37 3,726,281	04/10/73	Norton et al.	128	349	12/08/71
	A38 3,746,003	07/17/73	Blake	128	349 B	09/23/71
	A39 3,746,033	07/17/73	Keiper, II	137	205	08/05/71
	A40 3,771,527	11/13/73	Ruisi	128	350 R	08/16/71
	A41 3,804,097	04/16/74	Rudie	128	350 R	12/14/72

(continued)

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JKS A42	3,805,794	04/23/74	Schlesinger	128	349	12/18/72
A43	3,817,389	06/18/74	Weichselbaum	210	448	01/15/73
A44	3,848,602	11/19/74	Gutnick	128	344	04/19/72
A45	3,885,567	05/27/75	Ross	128	278	02/20/73
A46	3,888,249	06/10/75	Spencer	128	214 R	11/02/73
A47	3,976,529	08/24/76	Weichselbaum	156	272	01/31/74
A48	3,983,203	09/28/76	Corbett	264	150	11/16/73
A49	3,995,623	12/07/76	Blake et al.	128	2.06	02/11/76
A50	4,003,665	01/18/77	Dreyer et al.	401	259	03/20/75
A51	4,004,588	01/25/77	Alexander	128	241	08/25/75
A52	4,016,879	04/12/77	Mellor	128	214.4	04/07/75
A53	4,027,668	06/07/77	Dunn	128	214 R	12/10/75
A54	4,037,599	07/26/77	Raulerson	128	214.4	01/26/76
A55	4,050,667	09/27/77	Kossett	249	82	11/26/75
A56	4,057,065	11/08/77	Thow	128	348	06/21/76
A57	4,063,980	12/20/77	Trunnell	156	165	05/19/75
A58	4,072,146	02/07/78	Howes	128	2.05 D	09/08/76
A59	4,072,153	02/07/78	Swartz	128	348	03/03/76
A60	4,098,275	07/04/78	Consalvo	128	214 R	12/20/76
A61	4,099,528	07/11/78	Sorenson et al.	128	214.40	02/17/77
A62	4,100,246	07/11/78	Frisch	264	230	06/21/76

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<u>KCS</u>	A63	4,134,402	01/16/79	Mahurkar	128	214 R	07/05/77
	A64	4,168,703	09/25/79	Kenigsberg	128	748	07/18/77
	A65	4,171,943	10/23/79	Tschanz et al.	425	392	01/25/78
	A66	4,178,936	12/12/79	Newcomb	128	349 B	07/27/77
	A67	4,180,068	12/25/79	Jacobsen et al.	128	214 R	04/13/78
	A68	4,180,076	12/25/79	Betancourt	128	349	01/13/78
	A69	4,198,984	04/22/80	Taylor	128	349 BV	05/04/78
	A70	4,202,332	05/13/80	Tersteegen	128	214.4	01/05/78
	A71	4,203,436	05/20/80	Grimsrud	128	214 R	03/28/78
	A72	4,210,479	07/01/80	Fabisiewicz	156	273	06/14/78
	A73	4,214,593	07/29/80	Imbruce et al.	128	748	09/18/78
	A74	4,217,895	08/19/80	Sagae et al.	128	214.4	05/26/78
	A75	4,248,224	02/03/81	Jones	128	214	08/01/78
	A76	4,251,305	02/17/81	Becker et al.	604	103	11/01/78
	A77	4,268,338	05/19/81	Peterson	156	251	08/20/79
	A78	4,270,535	06/02/81	Bogue et al.	128	214.4	10/18/79
	A79	4,299,226	11/10/81	Banka	128	344	08/08/79
	A80	4,309,994	01/12/82	Grunwald	128	214 R	02/25/80
	A81	4,336,036	06/22/82	Leeke et al.	55	159	01/08/81
	A82	4,352,354	10/05/82	Ujihara	128	214 R	03/04/81
	A83	4,354,495	10/19/82	Bodicky	128	348	10/30/80

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Examiner Initial*	Patent Number	Issue Date	Name	Class	Sub Class	Filing Date
KCS A84	4,364,394	12/21/82	Wilkinson	604	96	11/24/80
A85	4,384,186	05/17/83	Burt	219	10.81	07/23/81
A86	4,385,631	05/31/83	Uthmann	604	284	03/18/81
A87	4,390,383	06/28/83	van Dongeren	156	294	03/25/81
A88	4,392,848	07/12/83	Lucas et al.	604	53	06/25/79
A89	4,398,910	08/16/83	Blake et al.	604	93	02/26/81
A90	4,403,983	09/13/83	Edelman et al.	604	43	11/06/81
A91	4,403,985	09/13/83	Boretos	604	53	05/12/81
A92	4,404,159	09/13/83	McFarlane	264	296	03/16/81
A93	4,405,313	09/20/83	Sisley et al.	604	43	01/29/82
A94	4,406,656	09/27/83	Hattler et al.	604	280	06/01/81
A95	4,419,095	12/06/83	Nebergall et al.	604	96	05/14/80
A96	4,425,177	01/10/84	Shinno	156	272.2	09/28/82
A97	4,451,252	05/29/84	Martin	604	43	07/24/81
A98	4,484,585	11/27/84	Baier	128	748	09/02/82
A99	4,493,696	01/15/85	Uldall	604	43	05/04/84
A100	4,496,353	01/29/85	Overland et al.	604	272	09/09/82
A101	4,543,087	09/24/85	Sommercorn et al.	604	43	11/14/83
A102	4,545,390	10/08/85	Leary	128	772	09/22/82
A103	4,551,292	11/05/85	Fletcher et al.	264	139	04/05/84
A104	4,568,329	02/04/86	Mahurkar	604	43	10/01/84

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Examiner Initial*	Patent Number	Issue Date	Name	Class	Sub Class	Filing Date
JLC5	A105 4,573,966	03/04/86	Weikl et al.	604	53	11/24/82
	A106 4,583,968	04/22/86	Mahurkar	604	280	08/15/84
	A107 4,619,643	10/28/86	Bai	604	43	06/18/84
	A108 4,623,327	11/18/86	Mahurkar	604	4	02/12/85
	A109 4,643,711	02/17/87	Bates	604	4	05/25/84
	A110 4,661,300	04/28/87	Daugherty	264	40.6	03/11/86
	A111 4,668,221	05/26/87	Luther	604	168	01/27/85
	A112 4,668,225	05/26/87	Russo et al.	604	280	12/23/85
	A113 4,670,009	06/02/87	Bullock	604	280	04/16/85
	A114 4,681,564	07/21/87	Landreneau	604	280	10/21/85
	A115 4,682,978	07/28/87	Martin	604	43	05/15/85
	A116 4,692,141	09/08/87	Mahurkar	604	43	01/29/86
	A117 4,701,159	10/20/87	Brown et al.	604	43	11/07/85
	A118 4,714,460	12/22/87	Calderon	604	28	06/06/86
	A119 4,717,379	01/05/88	Ekholmer	604	43	07/01/85
	A120 4,748,984	06/07/88	Patel	128	658	05/29/87
	A121 4,753,640	06/28/88	Nichols et al.	604	247	10/06/86
	A122 4,756,303	07/12/88	Kawashima et al.	128	6	09/26/86
	A123 4,762,120	08/09/88	Hussein	128	6	06/08/87
	A124 4,763,654	08/16/88	Jang	128	344	09/10/86
↓	A125 4,769,005	09/06/88	Ginsburg et al.	604	164	08/06/87

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Examiner Initial*	Patent Number	Issue Date	Name	Class	Sub Class	Filing Date
<u>kcs</u>	A126 4,772,268	09/20/88	Bates	604	43	11/03/86
	A127 4,782,834	11/08/88	Maguire et al.	128	344	01/06/87
	A128 4,790,813	12/13/88	Kensey	604	22	05/30/86
	A129 4,795,439	01/03/89	Guest	604	43	04/08/88
	A130 4,801,297	01/31/89	Mueller	604	280	06/01/84
	A131 4,813,429	03/21/89	Eshel et al.	128	736	05/05/87
	A132 4,822,345	03/16/88	Danforth	604	282	04/18/89
	A133 4,838,881	06/13/89	Bennett	604	280	09/29/88
	A134 4,842,582	06/27/89	Mahurkar	604	43	04/19/88
	A135 4,867,742	08/07/87	Calderon	604	28	09/19/89
	A136 4,894,057	01/16/90	Howes	604	280	06/19/87
	A137 4,898,591	02/06/90	Jang et al.	604	282	08/09/88
	A138 4,934,340	06/19/90	Ebling et al.	128	6	06/08/89
	A139 4,961,809	10/09/90	Martin	604	280	04/21/88
	A140 4,968,307	11/06/90	Dake et al.	604	280	04/10/89
	A141 4,995,865	02/26/91	Gahara et al.	604	43	06/09/89
	A142 5,004,455	04/02/91	Greenwood et al.	604	43	07/17/89
	A143 5,007,897	04/16/91	Kalb et al.	604	43	05/30/89
	A144 5,009,636	04/23/91	Wortley et al.	604	43	12/06/89
	A145 5,015,232	05/14/91	Maglinte	604	96	04/20/89
	A146 5,019,057	05/28/91	Truckai	604	282	10/23/89

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<u>JKS</u>	A147 5,021,044	06/04/91	Sharkawy	604	53	01/30/89
	A148 5,057,073	10/15/91	Martin	604	43	06/26/90
	A149 5,135,599	08/04/92	Martin et al.	156	294	05/13/91
	A150 5,167,623	12/01/92	Cianci et al.	604	43	12/27/90
	A151 5,195,962	03/23/93	Martin et al.	604	43	12/22/88
	A152 5,207,650	05/04/93	Martin	604	173	03/19/92
	A153 5,221,255	06/22/93	Mahurkar et al.	604	43	10/16/91
	A154 5,221,256	06/22/93	Mahurkar	604	43	02/10/92
	A155 5,236,417	08/17/93	Wallis	604	164	09/22/92
	A156 5,472,417	12/05/95	Martin et al.	604	43	03/03/94
	A157 5,451,206	09/19/95	Young	604	43	09/20/94
<u>JKS</u>	A158 5,797,869	08/25/98	Martin et al.	604	43	06/07/95

Foreign Patent Documents

Examiner <u>Initial*</u>	Document <u>Number</u>	Publ. <u>Date</u>	Country or <u>Patent Office</u>	<u>Sub Class</u>	<u>Class</u>	Trans- <u>lation</u>
<u>JKS</u>	A159 0,834,211	02/02/76	Belgium	128	221	No
	A160 0,050,089	08/09/82	Canada	---	---	---
	A161 0,960,932	01/14/75	Canada	128	127	---
	A162 1,092,927	01/06/81	Canada	128	127	---
	A163 1,112,533	11/17/81	Canada	52	128	---
<u>JKS</u>	A164 1,150,122	07/19/83	Canada	128	81	---

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KCS	A165 1,167,727	05/22/84	Canada	128	80	---
	A166 0,025,704 B1	10/19/83	Europe	25/00	A61M	---
	A167 0,036,642 A2	09/30/81	Europe	25/00	A61M	No
	A168 0,079,719 A1	05/25/83	Europe	5/00	A61M	---
	A169 0,161,863 B1	07/25/90	Europe	25/00	A61M	---
	A170 0,322,225 A2	12/21/88	Europe	25/00	A61M	---
	A171 0,333,308 A2	09/20/89	Europe	25/00	A61M	---
	A172 0,381,062 B1	03/23/94	Europe	25/00	A61M	---
	A173 0,440,992 A2	12/31/90	Europe	25/00	A61M	---
	A174 0,555,780 A2	02/05/93	Europe	25/00	A61M	---
	A175 0,804,309	10/21/36	France	A61b	A61M	No
	A176 1,285,953	01/22/62	France	A61b	A61M	No
	A177 1,508,959	01/22/62	France	A61b	A61M	No
	A178 2,201,908	10/10/72	France	25/00	A61M	Yes
	A179 2,285,148	09/20/74	France	01/00	A01M	No
	A180 2,297,640	01/15/75	France	25/00	A61M	No
	A181 2,513,520	04/01/83	France	25/00	A61M	No
	A182 2,530,958	07/29/82	France	A61M	25/00	Yes
	A183 2,565,491	06/08/84	France	25/00	A61M	No
	A184 MR 19 346	04/15/82	Germany	421	82	Yes
	A185 0,195,412	05/16/07	Germany	30	17	No

(continued)

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<u>KCS</u>	A186 2,447,804 A1	10/08/74	Germany	5/14	A61M	No
	A187 3,130,454 C2	04/04/85	Germany	5/14	A61M	No
	A188 3,506,738 A1	11/05/85	Germany	53/00	B29 C	No
	A189 3,112,762 C2	06/09/88	Germany	25/00	A61M	No
	A190 54-34,587	08/22/77	Japan	5/14	A61M	Yes
	A191 55-40,512	09/16/78	Japan	5/14	A61M	Yes
	A192 1,419,702	12/31/75	United Kingdom	A61M	A61B	---
↓	A193 2,043,449	10/08/80	United Kingdom	25/00	A61M	---

Other Documents

Examiner  
Initial\*

\_\_\_\_\_ A194 Arrow International, Inc., 510(k) Notification Multi-Lumen M.I.S.™ Catheterization System (April 14, 1982).

\_\_\_\_\_ A195 Arrow International, Inc., 510(k) Notification Arrow Central Venous Multi-Lumen Catheter with Flex Tip (August 25, 1986).

\_\_\_\_\_ A196 Arrow International, Inc. Arrow®-Howes™ Multi-Lumen Central Venous Catheterization Kit (circa 1986).

\_\_\_\_\_ A197 Arrow International, Inc., The Arrow Multi-Lumen Catheter System (circa 1986)

\_\_\_\_\_ A198 Arrow International, Inc., Anesthesia and Critical Care Catheterization Products, Hospital Price Schedule (May 1988).

\_\_\_\_\_ A199 American Edwards Laboratories, EDSLAB Thermodilution and Monitoring Catheters (circa 1982).

\_\_\_\_\_ A200 American Edwards Laboratories, The EDSLAB 6F Thermodilution Catheter (May 1980).

(continued)

Examiner:

Date Considered:

Applicant: Geoffrey S. Martin et al. Att'y Docket No. 2409.3273.3US  
Continuation Application of: Group: 3262  
Serial No.: 139,705  
For: MULTIPLE LUMEN CATHETER  
Filing Date: August 25, 1998  
Prior Examiner: Ronald K. Straight, Jr.

Other Documents (continued)

Examiner

Initial\*

\_\_\_\_\_ A201 American Edwards Laboratories, The EDSLAB 7F Thermodilution Catheter (July 1980).

\_\_\_\_\_ A202 American Edwards Laboratories, Thermodilution Catheter Drawings (September 2, 1976).

\_\_\_\_\_ A203 Eric A. Bour et al., Experience With the Double Lumen Silastic® Catheter for Hemoaccess, Surgery, Gynecology & Obstetrics 33 (July 1990).

\_\_\_\_\_ A204 Barry M. Brenner & Floyd C. Rector, Jr., The Kidney 1684 (1976).

\_\_\_\_\_ A205 Todd L. Demmy & David V. Feliciano, A Modified Technique for Changing Triple-Lumen Catheters, Surgical Rounds 58 (Nov. 1988).

\_\_\_\_\_ A206 Stephen P. Gatt, A Quadruple-Lumen Intravenous Infusion Catheter, 11 Anaesth Intens Care 261-62 (1983)

\_\_\_\_\_ A207 Alan C. Geiss & Patrick P. Montefusco, Placement of an Implantable Percutaneous Permanent Triple-Lumen Catheter, 149 The American Journal of Surgery 395 (Mar. 1985).

\_\_\_\_\_ A208 Harold W. Horowitz et al., Central Catheter-Related Infections: Comparison of Pulmonary Artery Catheters and Triple Lumen Catheters for the Delivery of Hyperalimentation in a Critical Care Setting, 14 J. of Parenteral and Enteral Nutrition 588 (Nov./Dec. 1990).

\_\_\_\_\_ A209 Jeffrey L. Kaufman et al., Clinical Experience with the Multiple Lumen Central Venous Catheter, 10 J. of Parenteral and Enteral Nutrition 487 (Sept./Oct. 1986).

\_\_\_\_\_ A210 Jean-Jacques Lanore et al., Hemodialysis for Acute Renal Failure in Patients with Hematologic Malignancies, 19 Critical Care Medicine 346 (Mar. 1991).

\_\_\_\_\_ A211 Sakharam D. Mahurkar & G. Dunea, Abstract of Parallel Lumen Continuous Flow Single Needle for Hemodialysis, in 5 Abstracts, ASAIO 22nd Annual Meeting, San Francisco, Cal. (April 1-3, 1976).

\_\_\_\_\_ A212 Sakharam D. Mahurkar, The Fluid Mechanics of Hemodialysis Catheters, XXXI Trans. Am. Soc. Artif. Intern. Organs 757 (1985).

\_\_\_\_\_ A213 Mary C. McCarthy et al., Prospective Evaluation of Single and Triple Lumen Catheters in Total Parenteral Nutrition, 11 J. of Parenteral and Enteral Nutrition 259 (June 1987).

(continued)

Examiner:

Date Considered:

Applicant: Geoffrey S. Martin et al.

Att'y Docket No. 2409.3273.3US

Continuation Application of:

Group: 3262

Serial No.: 139,705

For: MULTIPLE LUMEN CATHETER

Filing Date: August 25, 1998

Prior Examiner: Ronald K. Stright, Jr.

Other Documents (continued)

Examiner

Initial\*

CCS A214 Henry D. McIntosh et al., Double Lumen Catheter for Use With Artificial Kidney, 169 J.A.M.A. 137 (Feb. 21, 1959).

A215 Mitchell N. Ross et al., Comparison of Totally Implanted Reservoirs with External Catheters as Venous Access Devices in Pediatric Oncologic Patients, Surgery, Gynecology & Obstetrics 141 (Aug. 1988).

A216 W. B. Saunders, Dorland's Illustrated Medical Dictionary 274 (25th ed. 1974).

A217 Seigi Tsuchida et al., Single Two-Lumen Cannula Dialysis, 114 J. Exp. Med. 189 (1974).

**References Cited by Applicants**

While the filing of Information Disclosure Statements is voluntary, the procedure is governed by the guidelines of Section 609 of the Manual of Patent Examining Procedure and 37 C.F.R. §§ 1.97 and 1.98. To be considered a proper Information Disclosure Statement, Form PTO-1449 shall be accompanied by a copy of each listed patent or publication or other item of information and a translation of the pertinent portions of foreign documents (if an existing translation is readily available to the applicant), an explanation of relevance of each reference not in the English language, and should be submitted in a timely manner as set out in MPEP Sec. 609.

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Examiner:

Date Considered:

Applicant: Geoffrey S. Martin et al.  
 Serial No.: 09/819,458  
 Filing Date: March 27, 2001  
 For: MULTIPLE LUMEN CATHETER

Att'y Docket No. 2409.3273.3US  
 Group: 3763

INFORMATION DISCLOSURE CITATIONS MADE BY APPLICANT

U.S. Patent Documents

Examiner Initial*	Patent Number	Issue Date	Name	Class	Sub Class	Filing Date
KCS A1	256,590	04/18/1882	Pfarre			12/19/1881
A2	701,075	05/27/1902	McCully			02/19/1902
A3	1,060,665	05/06/1913	Bell			07/29/1910
A4	1,596,754	08/17/1926	Moschelle			10/30/1923
A5	3,319,628	05/16/1967	Halligan	128	276	02/03/1964
A6	3,430,631	03/04/1969	Abramson	128	350	01/12/1966
A7	3,752,510	08/14/1973	Windischman et al.	285	334.4	10/07/1971
A8	4,000,739	01/04/1977	Stevens	128	214.4	07/09/1975
A9	4,014,333	03/29/1977	McIntyre	128	240	09/22/1975
A10	4,291,691	09/29/1981	Cabal et al.	128	204.18	10/30/1978
A11	4,323,065	04/06/1982	Kling	128	214 R	01/17/1980
A12	4,563,181	01/07/1986	Wijayaranthna et al.	604	280	02/18/1983
A13	4,596,564	06/24/1986	Spetzler et al.	604	281	04/03/1984
A14	4,682,978	07/28/1987	Martin	604	43	05/15/1985
A15	5,195,962	03/23/1993	Martin et al.	604	43	12/22/1988
A16	5,472,417	12/05/1995	Martin et al.	604	43	03/03/1994
A17	5,797,869	08/25/1998	Martin et al.	604	43	06/07/1995
A18	6,206,849	03/27/2001	Martin et al.	604	43	08/25/1998

Examiner:

Simmons

Date Considered:

2/18/03

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Applicant: Geoffrey S. Martin et al.

Att'y Docket No. 2409.3273.3US

Serial No.: 09/819,458

Group: 3763

Filing Date: March 27, 2001

For: MULTIPLE LUMEN CATHETER

Foreign Patent Documents

Examiner Initial*	Document Number	Publ. Date	Country or Patent Office	Sub Class	Class	Trans-lation
<i>KCS</i>	A19 1,225,299	✓ 08/11/1987	Canada	A 61 M 25/00		Yes
	A20 1,216,205	✓ 01/06/1987	Canada	A 61 M 1/10		Yes
	A21 1,330,285	✓ 06/21/1994	Canada	A 61 M 25/00		Yes
	A22 117,093 A2	✓ 08/29/1984	Europe	A 61 M 25/00		Yes
	A23 117,093 B1	✓ 04/06/1988	Europe	A 61 M 25/00		Yes
	A24 322,225 A2	✓ 06/28/1989	Europe	A 61 M 25/00		Yes
	A25 322,225 A3	✓ 05/02/1991	Europe	A 61 M 25/00		Yes
	A26 322,225 B1	✓ 02/05/1995	Europe	A 61 M 25/00		Yes
	A27 322,225 FR	✓ 03/24/1995	France	A 61 M 25/00		No
	A28 3,853,058	✓ 07/20/1995	Germany	A 61 M 25/00		No
	A29 322,225 IT	04/14/1995	Italy	A 61 M 25/00		No
	A30 59-156353	✓ 09/05/1984	Japan	A 61 M 25/00		No
	A31 2,832,722	✓ 10/02/1998	Japan	A 61 M 25/00		No
	A32 529,011	10/01/1984	Spain	A 61 M 25/00		No
	A33 84/1197	09/26/1984	S. Africa			Yes

Other Documents

(including author (if listed), title, relevant pages, date of publication including at least month and year).

Examiner Initial\*

*↓*

A34	Communication Pursuant to Article 96(2) and Rule 51(2) EPC, issued in prosecution of European Patent No. 322,225 (July 23, 1993)
A35	McIntosh, Henry D. et al., "Double Lumen Catheter For Use With Artificial Kidney," 169 J.A.M.A. 137-38 (February 21, 1995)

--continued--

Examiner: *Sirmons*Date Considered: *2/18/04*

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Att'y Docket No. 2409.3273.3US  
 Group: 3763

Examiner  
Initial\*

Other Documents (continued)

*KCS* A36 Shaldon, Stanley, et al., "Haemodialysis by Percutaneous Catheterization of the Femoral Artery and Vein With Regional Heparinisation," LANCET 857-59 (October 14, 1961)

A37 Shaldon, Stanley, et al., "Refrigerated Femoral Venous-Venous Haemodialysis With Coil Preservation for Rehabilitation of Terminal Uraemic Patients," BRIT. MED. J. 1716-17 (June 29, 1963)

A38 Seldinger, Sven Ivar, "Catheter Replacement of the Needle in Percutaneous Arteriography," presentation at Congress of Northern Association of Medical Radiology, Helsinki; (June 1952), published in 39 ACTA RADIOLOGIA 368-76 (1953)

A39 Uldal, P.R. et al., "A Subclavian Cannula for Temporary Vascular Access for Hemodialysis of Plasmapheresis," presented at Clinical Dialysis and Transport Forum, New Orleans (November 1978) published in 8 DIALYSIS & TRANSPLANTATION 963-68 (October 1979)

**References Cited by Applicants**

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Examiner: *Sirmons*

Date Considered: *2/18/04*

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